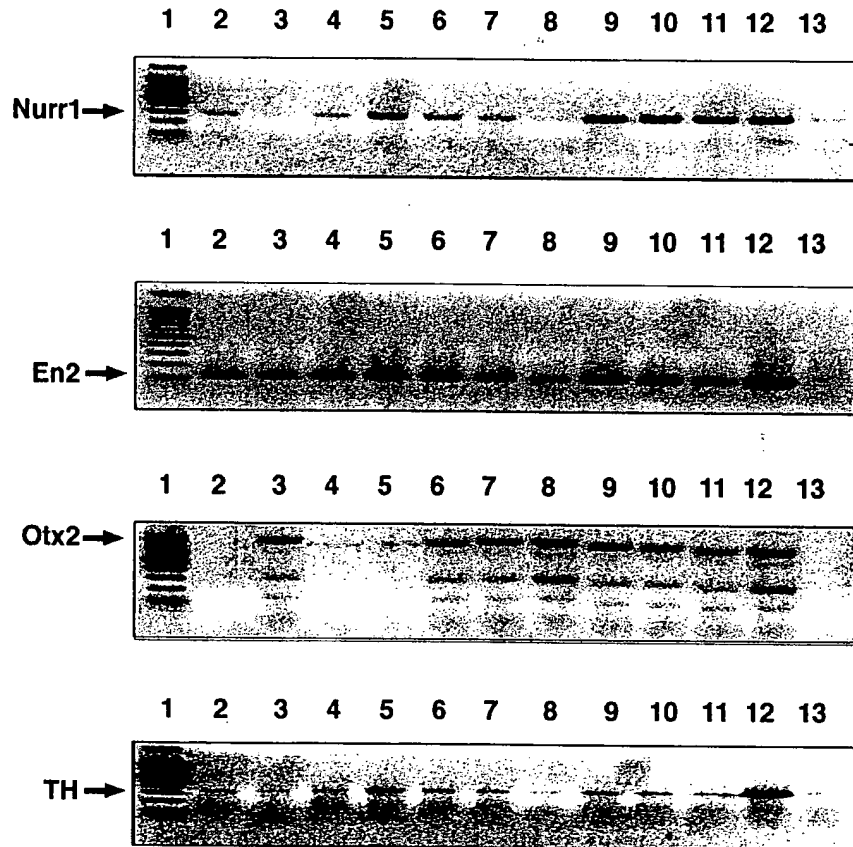
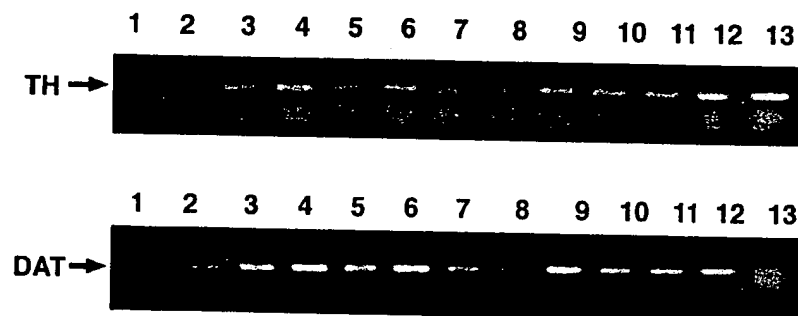


Fig. 1



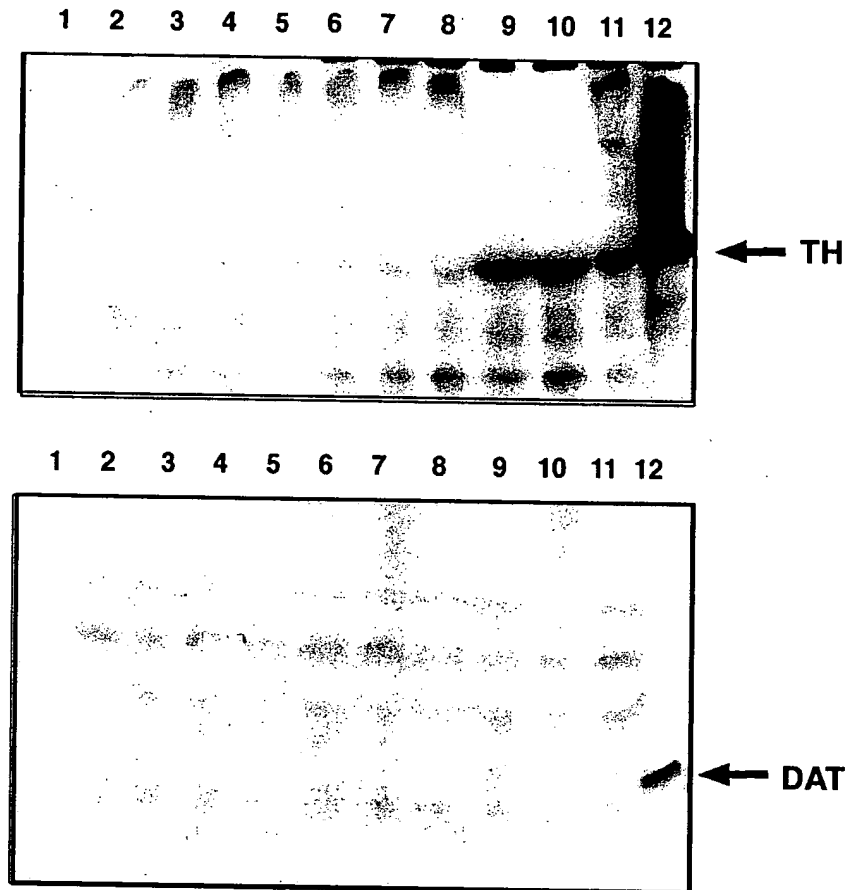
- | | |
|-------------------------------|----------------------------|
| 1. MW | 8. ES+Otx2+En2+SHH+FGF8 |
| 2. ES cells | 9. ES+Otx2+Nurr1+SHH |
| 3. ES+Otx2 | 10. ES+Otx2+Nurr1+FGF8 |
| 4. ES+En2 | 11. ES+Otx2+Nurr1+SHH+FGF8 |
| 5. ES+Nurr1 | 12. E15 Mesencephalon |
| 6. ES+Otx2+En2+SHH (50ng/ml) | 13. N27 cells |
| 7. ES+Otx2+En2+FGF8 (10ng/ml) | |

Fig. 2



1. ES alone
2. ES+GFP
3. ES+Otx2+FGF8(1ng/ml)+SHH(2.5ng/ml)
4. ES+Otx2+FGF8(1)+SHH(7.5)
5. ES+Otx2+FGF8(1)+SHH(25)
6. ES+Otx2+FGF8(3)+SHH(2.5)
7. ES+Otx2+FGF8(3)+SHH(7.5)
8. ES+Otx2+FGF8(3)+SHH(25)
9. ES+Otx2+FGF8(10)+SHH(2.5)
10. ES+Otx2+FGF8(10)+SHH(7.5)
11. ES+Otx2+FGF8(10)+SHH(25)
12. ES+Otx2+FGF8(0)+SHH(50)
13. E15 Rat Mesen

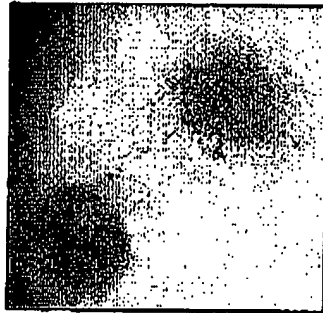
Fig. 3



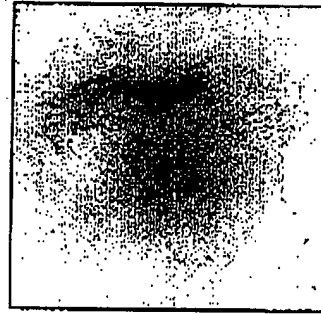
1. MW
2. ES alone
3. ES+GFP
4. ES+Otx2+FGF8(1 ng/ml)+SHH(2.5ng/ml)
5. ES+Otx2+FGF8(1)+SHH(7.5)
6. ES+Otx2+FGF8(3)+SHH(2.5)
7. ES+Otx2+FGF8(3)+SHH(7.5)
8. ES+Otx2+FGF8(10)+SHH(2.5)
9. ES+Otx2+FGF8(10)+SHH(7.5)
10. ES+Otx2+FGF8(30)+SHH(15)
11. ES+Otx2+FGF8(30)+SHH(50)
12. Rat Striatum tissue (adult)

Fig. 4

A



B



C

Mouse ES Cells on PA6 Cells with Fetal Rat Striatum

Mean Colony Perimeter: 2.968 ± 0.231 , Mean TH+ Cells/Colony: 10.226 ± 2.321 mm
 $r^2 = 0.62$, $p < 0.05$

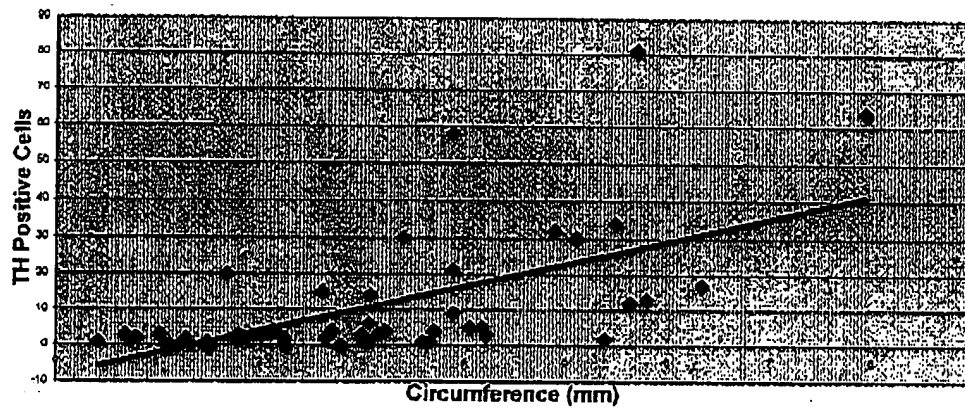


Fig. 5

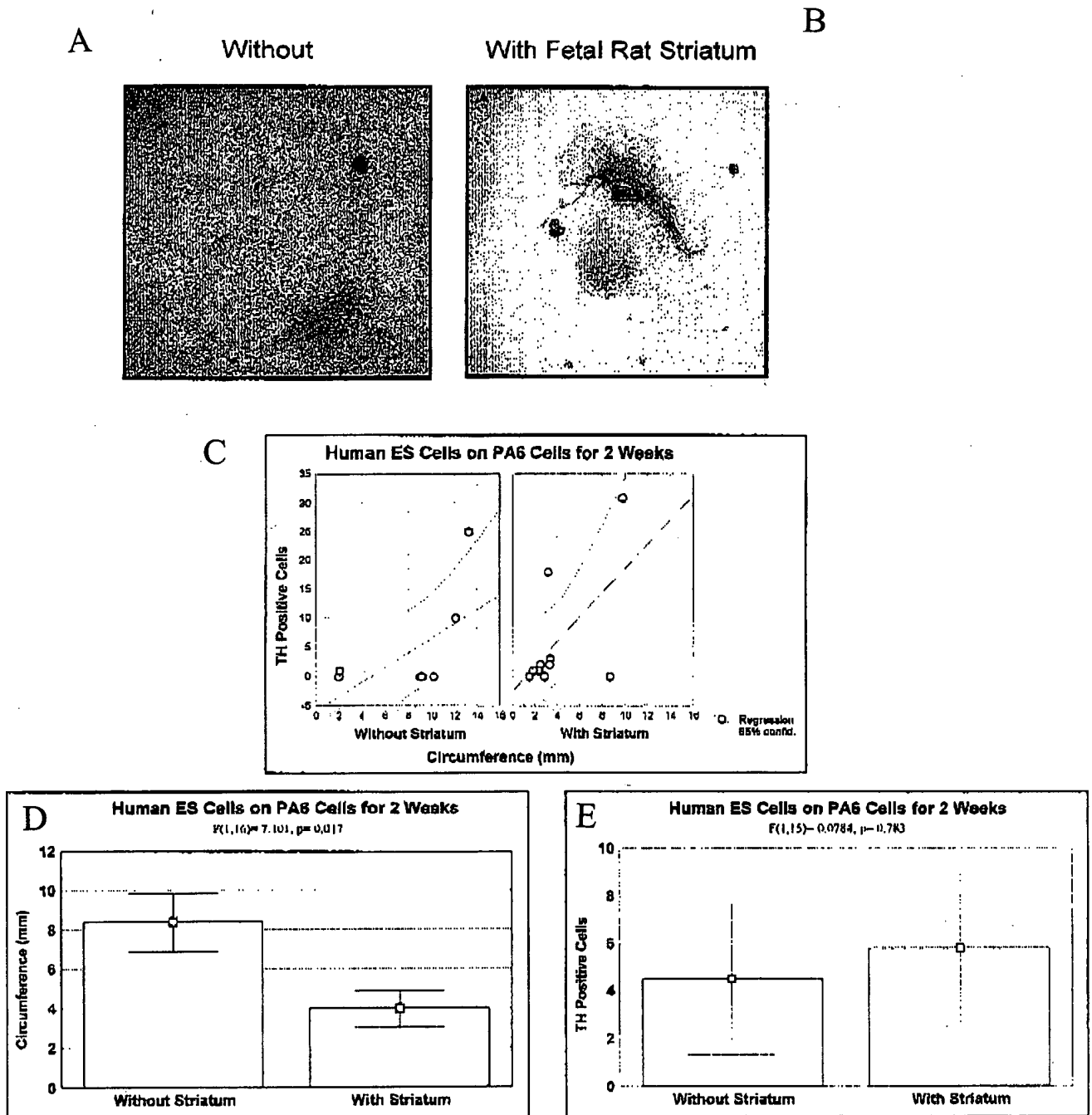


Fig. 6

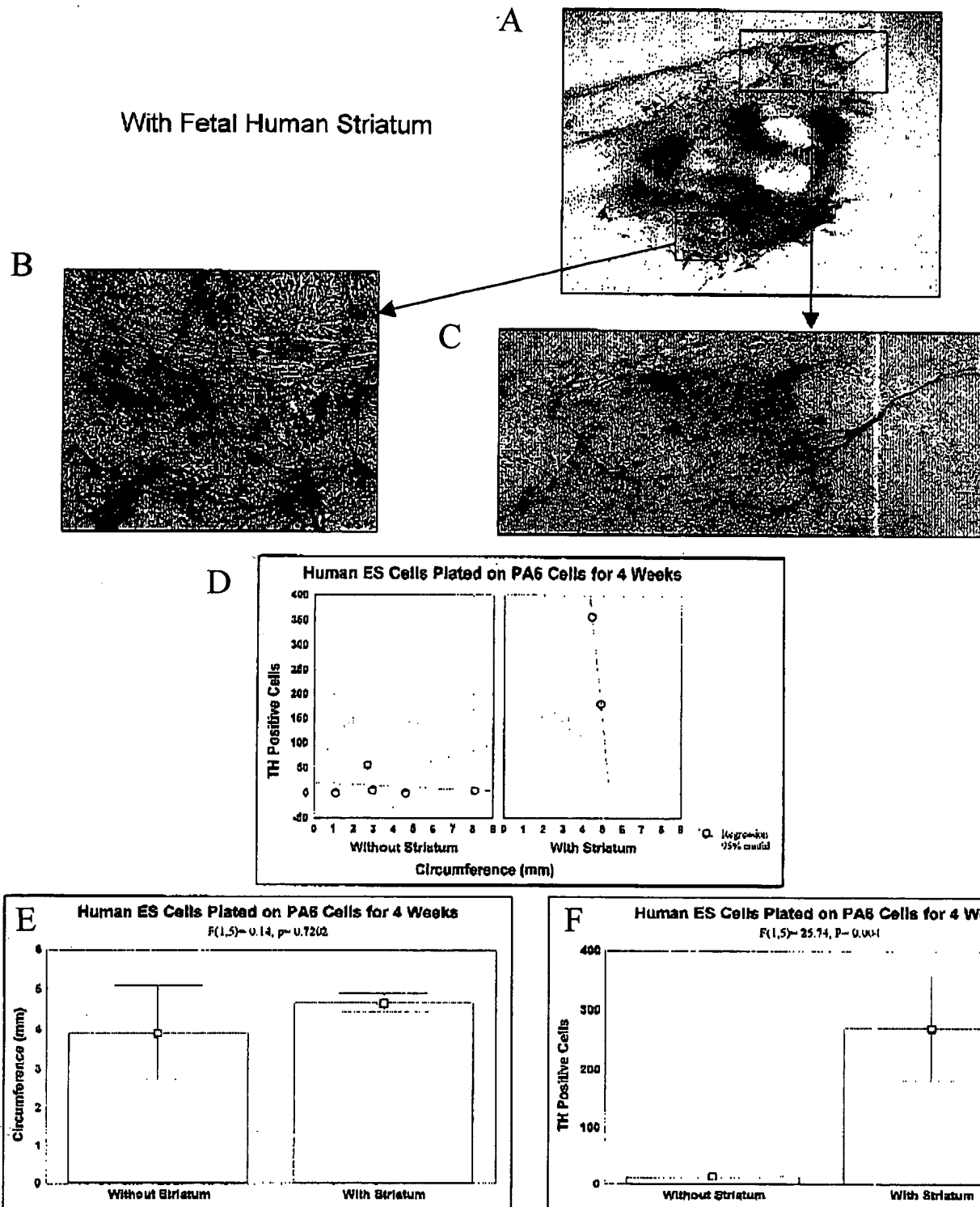


Fig. 7

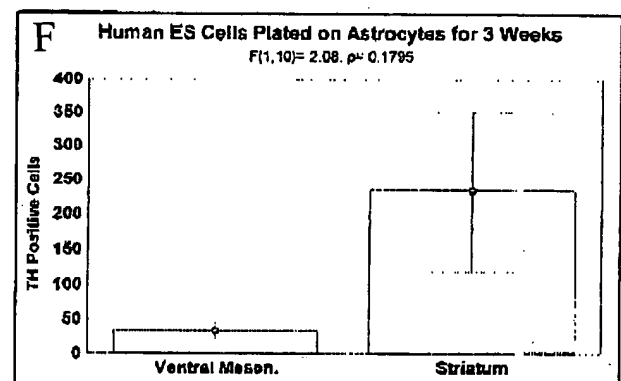
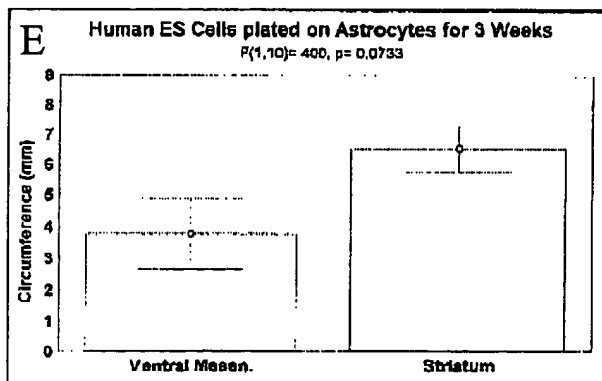
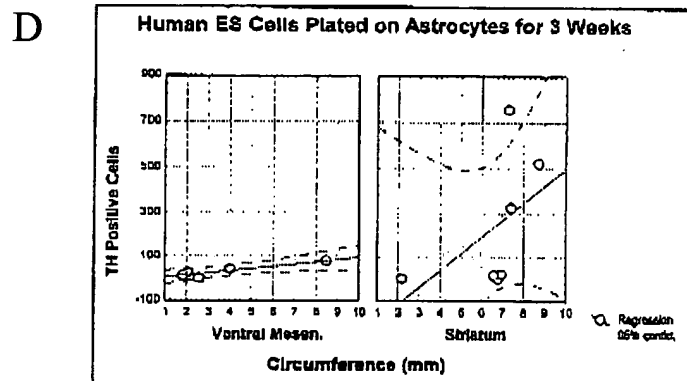
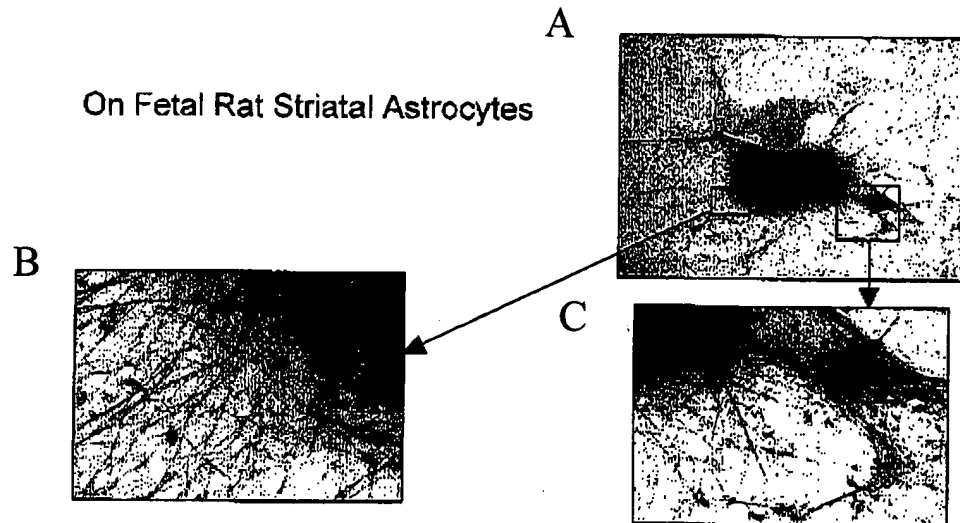


Fig. 8

